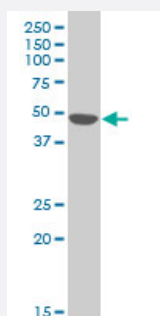


CAMK2D polyclonal antibody (A01)

Catalog # H00000817-A01

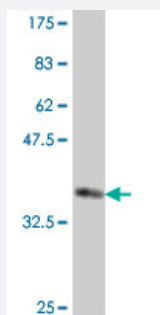
Size 50 uL

Applications



Western Blot (Cell lysate)

CAMK2D polyclonal antibody (A01), Lot # 051115JC01 Western Blot analysis of CAMK2D expression in MES-SA/Dx5 (Cat # L021V1).



Western Blot detection against Immunogen (38.1 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant CAMK2D.
Immunogen	CAMK2D (AAH32784, 301 a.a. ~ 410 a.a) partial recombinant protein with GST tag.
Sequence	KGAILTTMLATRNFSAAKSLKKPDGVKESTESSNTTIEDVDKARKQEIIKVTEQLIEAINNGDFEAYTKICDPGLTAFEPEALGNLVEGMDFHRFYFENALSKSNKPI
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (38.1 KDa) .

Storage Buffer	50 % glycerol
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Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
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Applications

- Western Blot (Cell lysate)

CAMK2D polyclonal antibody (A01), Lot # 051115JC01 Western Blot analysis of CAMK2D expression in MES-SA/Dx5 (Cat # L021V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — CAMK2D

Entrez GeneID	817
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GeneBank Accession#	BC032784
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Protein Accession#	AAH32784
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Gene Name	CAMK2D
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Gene Alias	CAMKD, DKFZp686G23119, DKFZp686I2288, MGC44911
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Gene Description	calcium/calmodulin-dependent protein kinase II delta
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Omim ID	607708
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Gene Ontology	Hyperlink
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Gene Summary	The product of this gene belongs to the serine/threonine protein kinase family and to the Ca(2+)/calmodulin-dependent protein kinase subfamily. Calcium signaling is crucial for several aspects of plasticity at glutamatergic synapses. In mammalian cells, the enzyme is composed of four different chains: alpha, beta, gamma, and delta. The product of this gene is a delta chain. Alternative splicing results in multiple transcript variants encoding distinct isoforms. Distinct isoforms of this chain have different expression patterns
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Other Designations

CaM kinase II delta subunit|CaM-kinase II delta chain|CaMK-II delta subunit|OTTHUMP00000163829|OTTHUMP00000163830|calcium/calmodulin-dependent protein kinase (CaM kinase) II delta|calcium/calmodulin-dependent protein kinase type II delta chain

Publication Reference

- [Reversing Cardiac Hypertrophy at the Source Using a Cardiac Targeting Peptide Linked to miRNA106a: Targeting Genes That Cause Cardiac Hypertrophy.](#)

G Ian Gallicano, Jiayu Fu, Samiksha Mahapatra, Michael V R Sharma, Conor Dillon, Claire Deng, Maliha Zahid.

Pharmaceuticals 2022 Jul; 15(7):871.

Application: WB, Human, 293T cells

Pathway

- [Calcium signaling pathway](#)
- [ErbB signaling pathway](#)
- [Glioma](#)
- [GnRH signaling pathway](#)
- [Long-term potentiation](#)
- [Melanogenesis](#)
- [Neurotrophin signaling pathway](#)
- [Olfactory transduction](#)
- [Wnt signaling pathway](#)

Disease

- [Alcoholism](#)
- [Genetic Predisposition to Disease](#)
- [Mucocutaneous Lymph Node Syndrome](#)
- [Tobacco Use Disorder](#)